

CLAIMS

What is claimed is:

1. A roof mirror assembly, comprising:
first and second mirror panels comprising first and second reflective surfaces and first and second mounting surfaces, respectively, said first and second mirror panels being joined together so that said first and second reflective surfaces are substantially perpendicular to each other;
at least one mounting block comprising at least one opening extending through a portion thereof; and
at least one mounting pin received within said at least one opening of said at least one mounting block, wherein said at least one mounting pin is attached within said opening to said at least one mounting block and is attached to at least one of said first or second mounting surfaces of said first or second mirror panels.
2. A roof mirror assembly as recited in claim 1, said at least one mounting pin is attached using adhesive material.
3. A roof mirror assembly as recited in claim 1, further comprising a back plate member attached below said at least one mounting block.
4. A roof mirror assembly as recited in claim 1, said at least one mounting block being first and second mounting blocks and said at least one mounting pin being at least first and second mounting pins.
5. A roof mirror assembly as recited in claim 1, said first and second mounting surfaces being end surfaces of said first and second mirror panels, respectively.
6. A roof mirror assembly as recited in claim 5, wherein said end surfaces are substantially perpendicular to said first and second reflective surfaces.
7. A roof mirror assembly as recited in claim 1, each of said mirror panels further comprising at least one protruding element extending from a back portion thereof in a direction generally away from said reflective surface of said mirror panel, said at least one protruding element forming at least one receiving surface extending along portions thereof.
8. A roof mirror assembly as recited in claim 7, said at least one receiving surface of said first mirror panel being said first mounting surface and said at least one receiving surface of said second mirror panel being said second mounting surface.

9. A roof mirror assembly as recited in claim 8, wherein said first and second mounting surfaces are substantially perpendicular to said first and second reflective surfaces, respectively.

10. A roof mirror assembly as recited in claim 1, said first mirror panel further having a first edge surface lying in a plane substantially oriented at a 45° angle to a plane of said first reflective surface and said second mirror panel further having a second edge surface lying in a plane substantially oriented at a 45° angle to a plane of said second reflective surface, wherein said first and second edge surfaces are joined together creating a common plane substantially oriented at a 45° angle to both of said planes of said reflective surfaces, and further wherein said joining together of said panels along said common plane causes said first and second reflective surfaces of said mirror panels to be oriented substantially perpendicular to each other.

11. A roof mirror assembly as recited in claim 9, wherein said first and second edge surfaces are joined together creating a miter joint.

12. A roof mirror assembly as recited in claim 1, wherein said first and second mirror panels and said at least one mounting block are formed of the same material.

13. A roof mirror assembly as recited in claim 12, said material having dimensional stability with respect to changes in temperature.

14. A roof mirror assembly as recited in claim 13, wherein said material is one of fused quartz or annealed Pyrex.

15. A roof mirror assembly, comprising:

first and second mirror panels joined together so that first and second reflective surfaces thereof are substantially perpendicular to each other, said mirror panels each further comprising first and second ends, wherein said first ends of said mirror panels are proximate to each other and said second ends of said mirror panels are proximate to each other when said first and second mirror panels are in said joined condition; and

at least one mounting block to complete said joining together of said first and second mirror panels into said roof mirror assembly and for mounting said panels onto another structure, said at least one mounting block attached to said first ends of said mirror panels, wherein said at least one mounting block is mounted onto said another structure along a bottom surface thereof.

16. A roof mirror assembly as recited in claim 15, said at least one mounting block being first and second mounting blocks, each having a bottom surface for mounting to said another structure.

17. A roof mirror assembly as recited in claim 16, said bottom surfaces of said mounting blocks

being mounted to said another structure by adhesive material.

18. A roof mirror assembly as recited in claim 15, said first mirror panel further having a first edge surface lying in a plane substantially oriented at a 45° angle to a plane of said first mirror panel's reflective surface and said second mirror panel further having a second edge surface lying in a plane substantially oriented at a 45° angle to a plane of said second mirror panel's reflective surface, wherein said first and second edge surfaces are joined together creating a common plane substantially oriented at a 45° angle to both of said planes of said reflective surfaces, and further wherein said joining together of said panels along said common plane causes said reflective surfaces of said mirror panels to be oriented substantially perpendicular to each other.

19. A roof mirror assembly as recited in claim 18, wherein said first and second edge surfaces are joined together creating a miter joint.